User's manual of SDC-100

(Version 4.XX)

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Quick Guide of SDC-100

This quick guide will describe how to use SDC-100 program at the below:

Before using SDC-100

Installation of SB series machines (SB-1000 / 1100 / 1800)

1. Place SB machine on the flat or fixed place.
2. Connect SB machine to PC with serial cable installed at the rear side.
3. Turn on the SB machine.

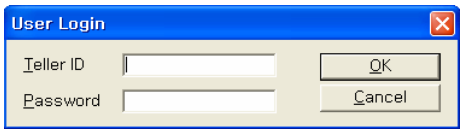
Installation of software

1. Install SDC-1000 program to your PC.
2. You would need to install black-list program if you wish to have black list function operating.

How to use SDC-100 1/2

1. Login.

The below login window will pop-up after you run the SDC-100.exe program. You have to input teller ID and password to login.

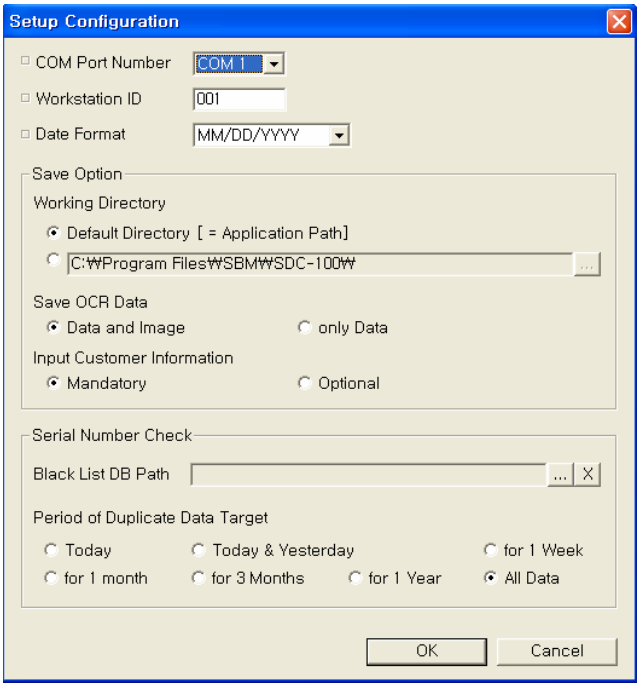


Pic. 1) Log-in window.

※ Default ID & password is 'admin'

2. Setup Configuration.

After login, the below 'setup configuration' window will appear on the screen. Please see page 23 for more information.



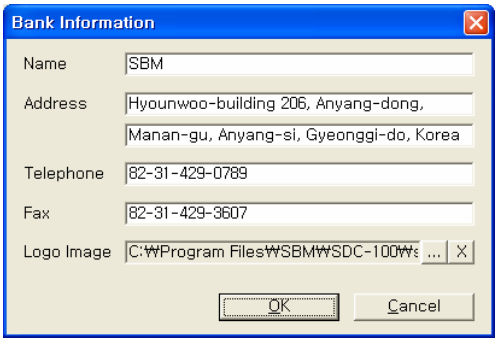
Pic. 2) Setup Configuration.

※ This 'Setup Configuration' window appears automatically on the screen when user installs execute the SDC-100 program for the first time. User could also change setup configuration from the menu next time. (Setup → Configuration...)

How to set up other information 2/2

3. Entering Bank information

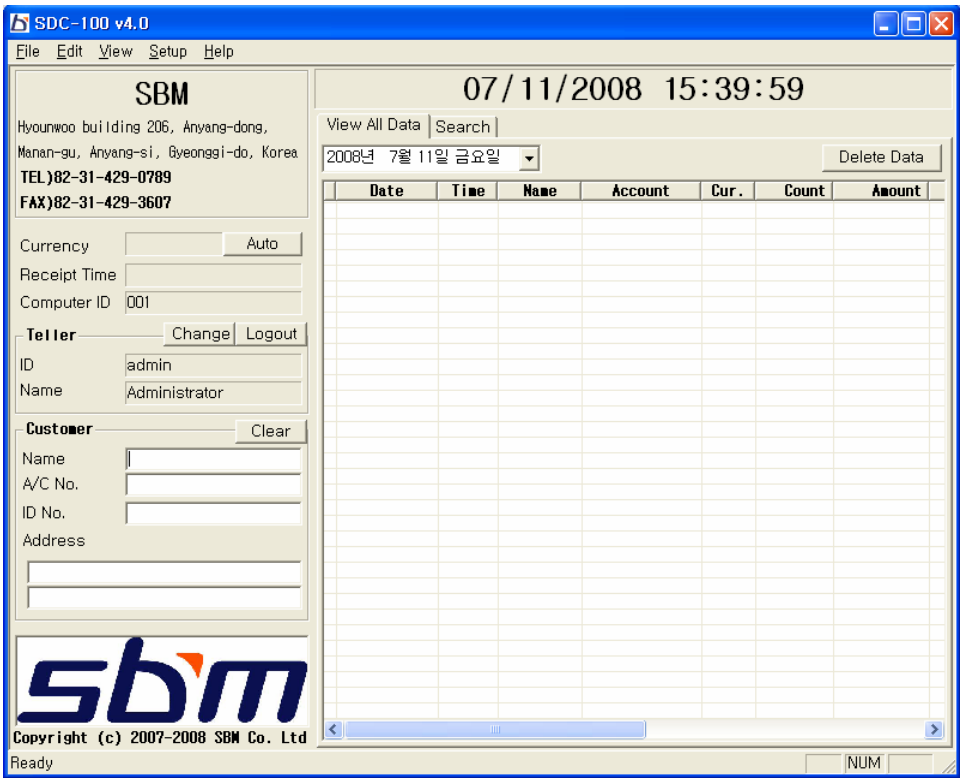
Bank information could be entered and saved. Page 25 describes how to enter Bank information.



Pic. 3) Bank information

4. Operating SDC-100 program.

After finished default setting, you can start operating the SDC-100 program.

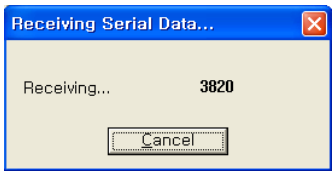


Pic. 4) Main screen

All setup information is saved in SDC-100.ini, you may delete SDC-100.ini file to clear all setup information.

Saving Data – Transferring data

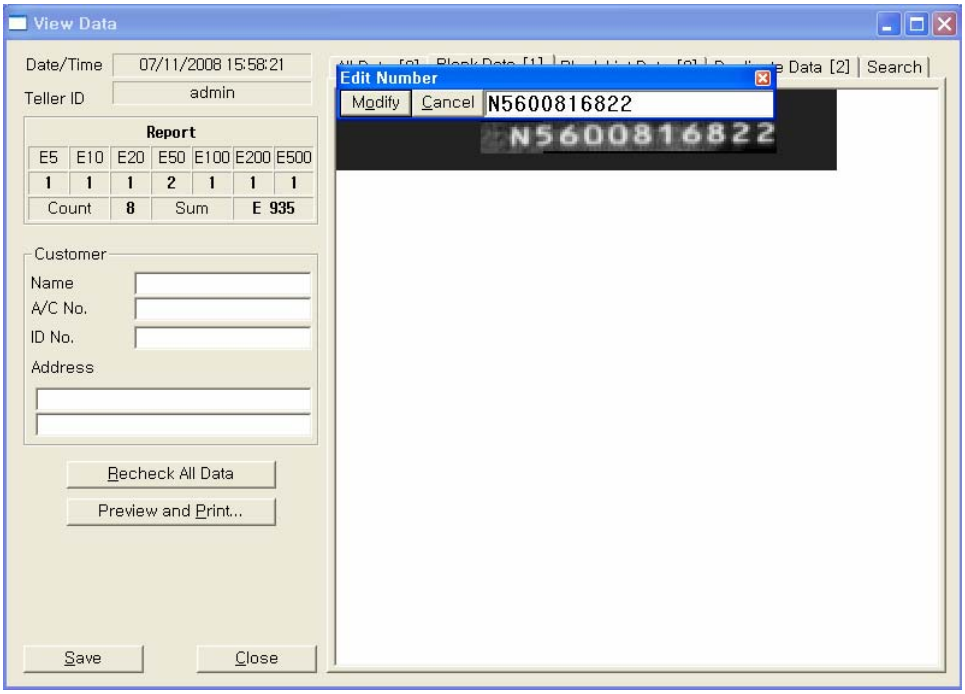
1. Transferring data to PC Software after counting is finished.
   a. Press MODE button to select P-OCR mode in SB Machine.
   b. Place a stack of banknotes on the hopper and machine will automatically start counting. Once counting is completed, follow ©
   c. Press START button to transfer data to PC application software.
   d. After data is transmitted completely, a 'view data' window will appear on the screen automatically.



Pic. 5) Transmitting data

2. Correcting of transferred Data in Edit Screen.

   Press Save button after making correction to the transferred data.

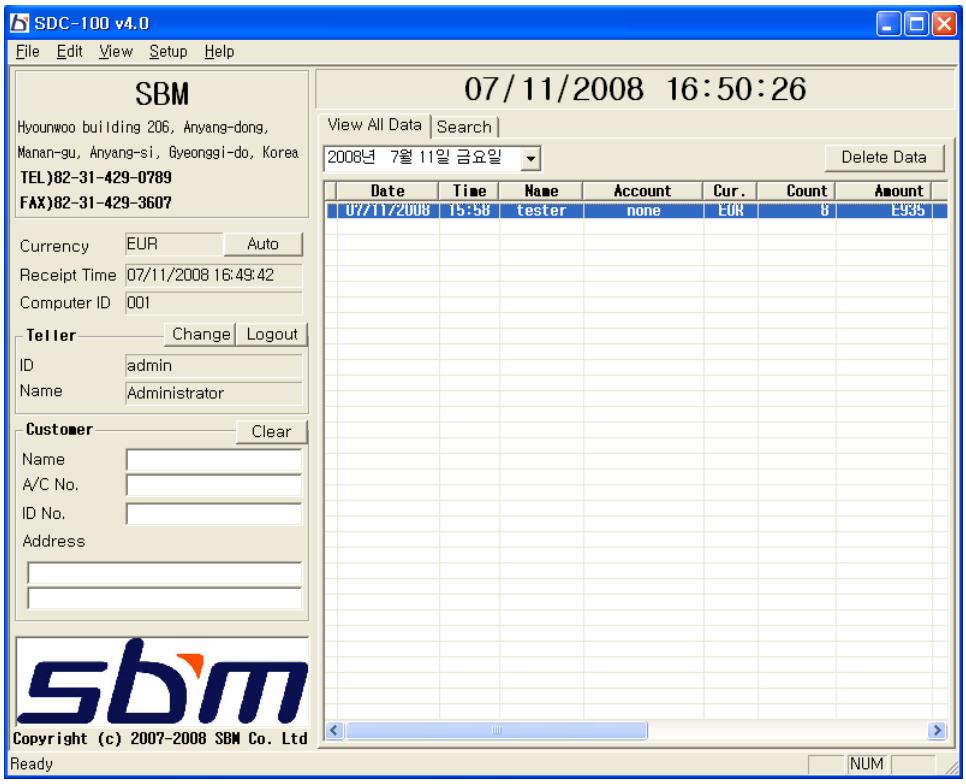


Pic. 6) View Data

※ For more information, please see page 15. 'View Data'

Saving Data – Transferring Data.

Transferred Data from SB machine will display on the right side of main screen.



Pic. 6) Main screen after counting

If you want to see detail information of counting results, please double click “View all Data” or go into Edit → Edit Data... in menu bar

Detail operation – Data Search

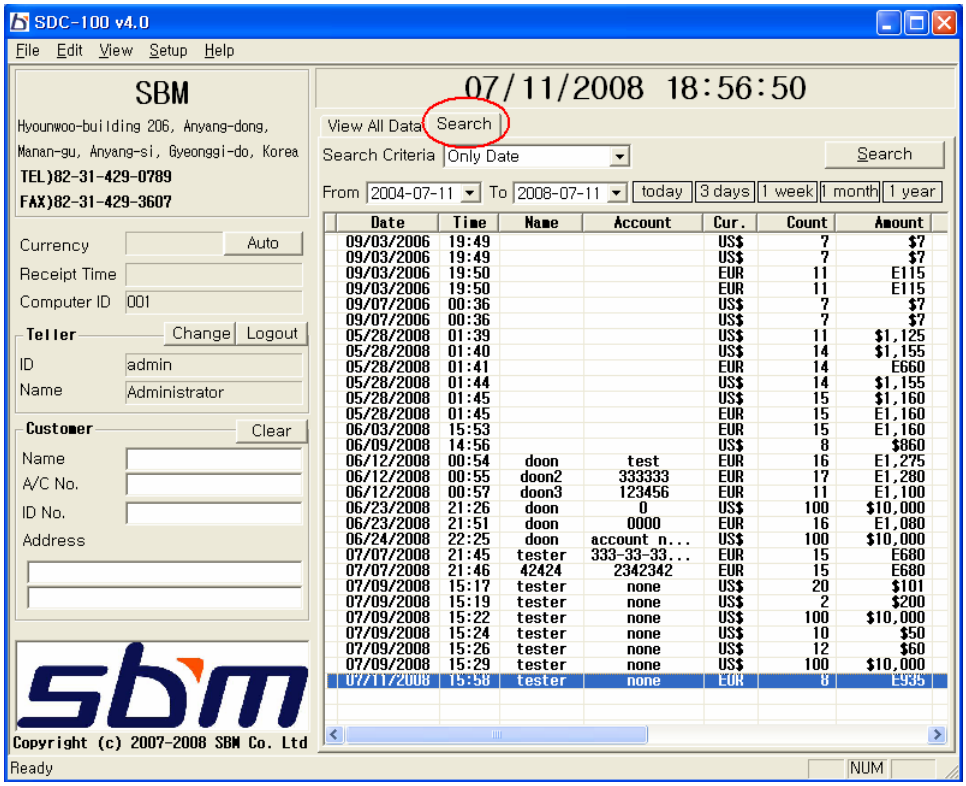
You may use "Search" function to find data information of counted banknotes.

① Press 'Search' to change main screen.

② Select search parameter in "Search Criteria" drop down menu

③ Enter date for Search Criteria

④ Press Search button to start Search



Pic. 7) Displayed searching results

For more information, please see page 14. 'Main screen – searching mode'

※ Default search day is the day of the program operated.

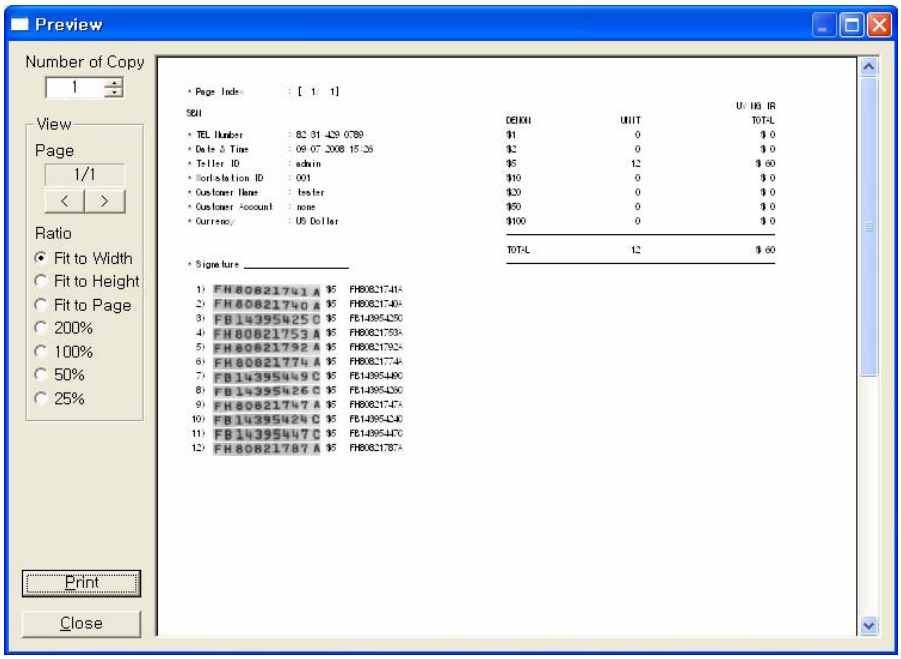
Detail operation – Print

Saved data of banknotes can be printed by printer.

① How to print out data?

- In the menu, press File → Preview and Print...
- In the preview window, press Preview and Print button.

② You may select number of copy in 'Preview' window and press Print button to print.



Pic. 8) Preview window

For more information, please see page 18 (Printing)

※ Printer set up and paper set up can be changed in Setup → Printer Setup...

Detail operation – Exporting data

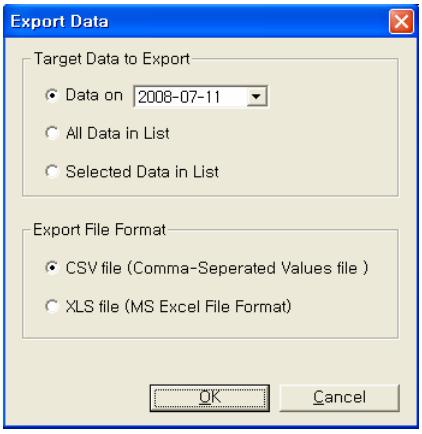
Saved data in SDC-100 could be exported to other program.

① In the menu, press File → Export Data...

② Select target data to export.

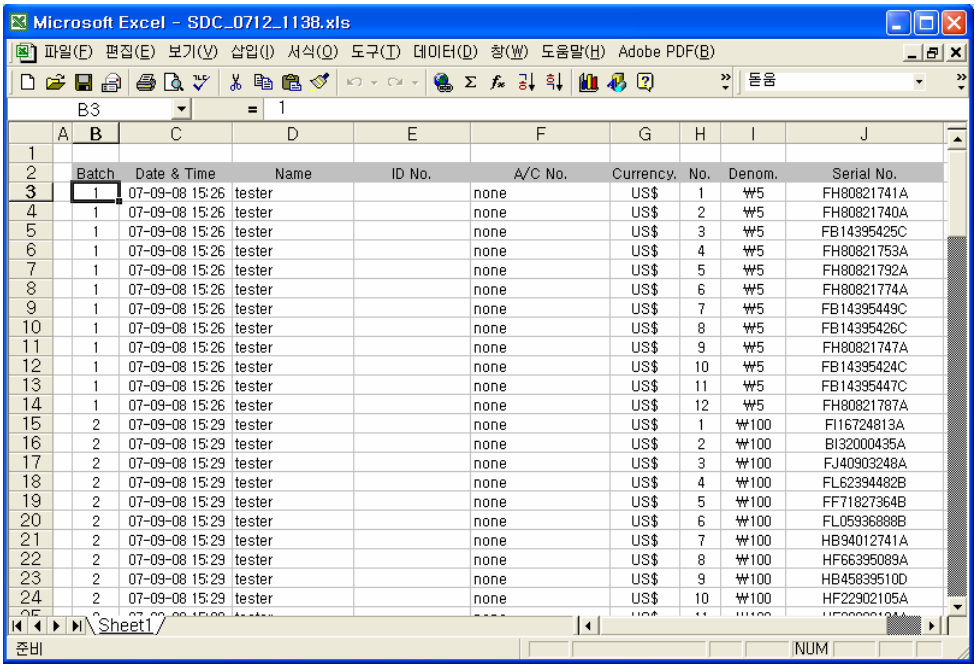
③ Select export file format.

④ Press OK button to export.



Pic. 9) Export Data

※ For more information of exporting data, please see page 19 Exporting data.



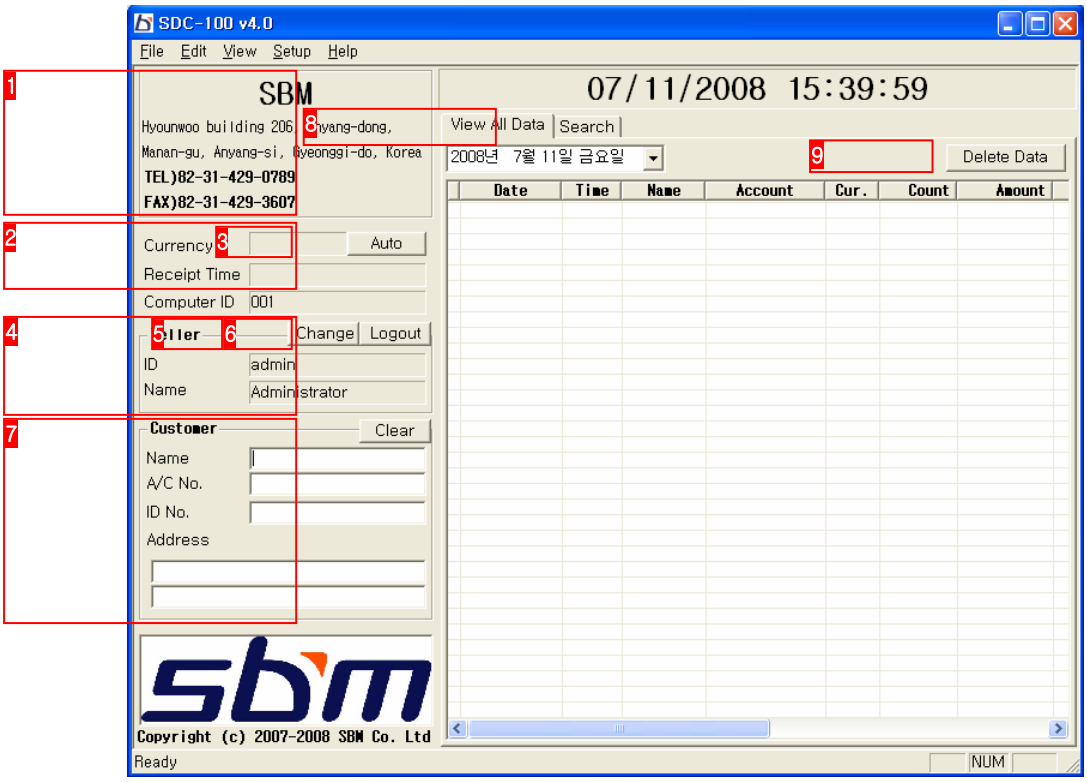
	Batch	Date & Time	Name	ID No.	A/C No.	Currency	No.	Denom.	Serial No.
3	1	07-09-08 15:26	tester		none	US$	1	₩5	FH80821741A
4	1	07-09-08 15:26	tester		none	US$	2	₩5	FH80821740A
5	1	07-09-08 15:26	tester		none	US$	3	₩5	FB14395425C
6	1	07-09-08 15:26	tester		none	US$	4	₩5	FH80821753A
7	1	07-09-08 15:26	tester		none	US$	5	₩5	FH80821792A
8	1	07-09-08 15:26	tester		none	US$	6	₩5	FH80821774A
9	1	07-09-08 15:26	tester		none	US$	7	₩5	FB14395449C
10	1	07-09-08 15:26	tester		none	US$	8	₩5	FB14395426C
11	1	07-09-08 15:26	tester		none	US$	9	₩5	FH80821747A
12	1	07-09-08 15:26	tester		none	US$	10	₩5	FB14395424C
13	1	07-09-08 15:26	tester		none	US$	11	₩5	FB14395447C
14	1	07-09-08 15:26	tester		none	US$	12	₩5	FH80821787A
15	2	07-09-08 15:29	tester		none	US$	1	₩100	FI16724813A
16	2	07-09-08 15:29	tester		none	US$	2	₩100	BI32000435A
17	2	07-09-08 15:29	tester		none	US$	3	₩100	FJ40903248A
18	2	07-09-08 15:29	tester		none	US$	4	₩100	FL62394482B
19	2	07-09-08 15:29	tester		none	US$	5	₩100	FF71827364B
20	2	07-09-08 15:29	tester		none	US$	6	₩100	FL05936888B
21	2	07-09-08 15:29	tester		none	US$	7	₩100	HB94012741A
22	2	07-09-08 15:29	tester		none	US$	8	₩100	HF66395089A
23	2	07-09-08 15:29	tester		none	US$	9	₩100	HB45839510D
24	2	07-09-08 15:29	tester		none	US$	10	₩100	HF22902105A

Pic. 10) Results of exported data

Detail manual for each function.

This manual describes each function in detail.

Main Screen – Basic Mode



Pic. 11) Main screen

① Displaying saved Bank Information...

② Currency information for last counting.

③ Set up the currency which you will count. In Auto mode, software will change the currency automatically. We recommend you to set up as an 'Auto'

④ Displaying logged user information

⑤ Change logged user.

⑥ Program lock button; software will be released after re-log in.

⑦ Entering customer information; Entered information will be displayed in viewer window when currency information is entered

⑧ Selecting view list, you may change the view list. In the menu bar.

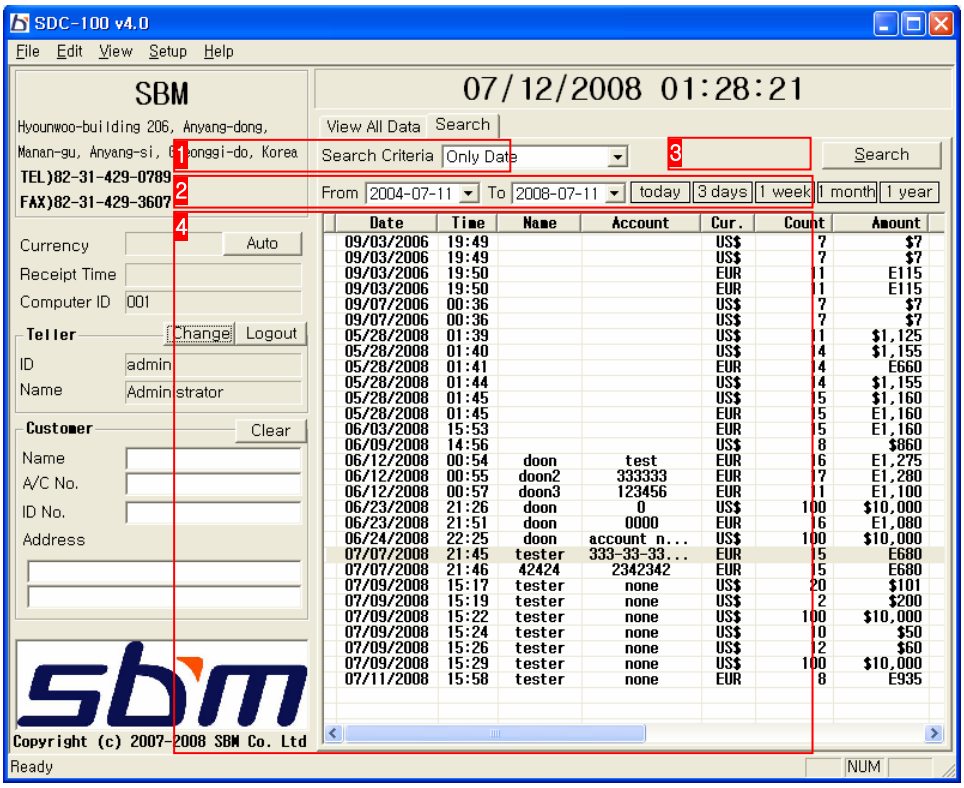
- View All Data: display all the data for present date.
- Search: searching data.

⑨ Selected data could be deleted; also user could delete date through menu bar Edit → Delete Data

※ All data cannot be deleted in Search mode.

Main Screen – Search mode

Press Search in the list tap for searching.



Pic. 12) Main screen – Searching

① Select 'Search Criteria' and enter key information for searching.

Only Date	By date
Customer Name	By customer's name
Customer Account	By customer's account
Customer ID	By customer's ID
Teller ID	By user's ID
Serial Number	By Serial no. of banknote
Currency Type	By denomination of banknote
Black List Data	Searching registered serial no. in Black List DB ※ DB searching root should be set up in setting menu.
Duplicate Data	Searching same serial no. of banknote. ※ within set up date.

② Date for searching.

③ Press Search button to start.

④ User may edits, prints, exports with searched data in the list.

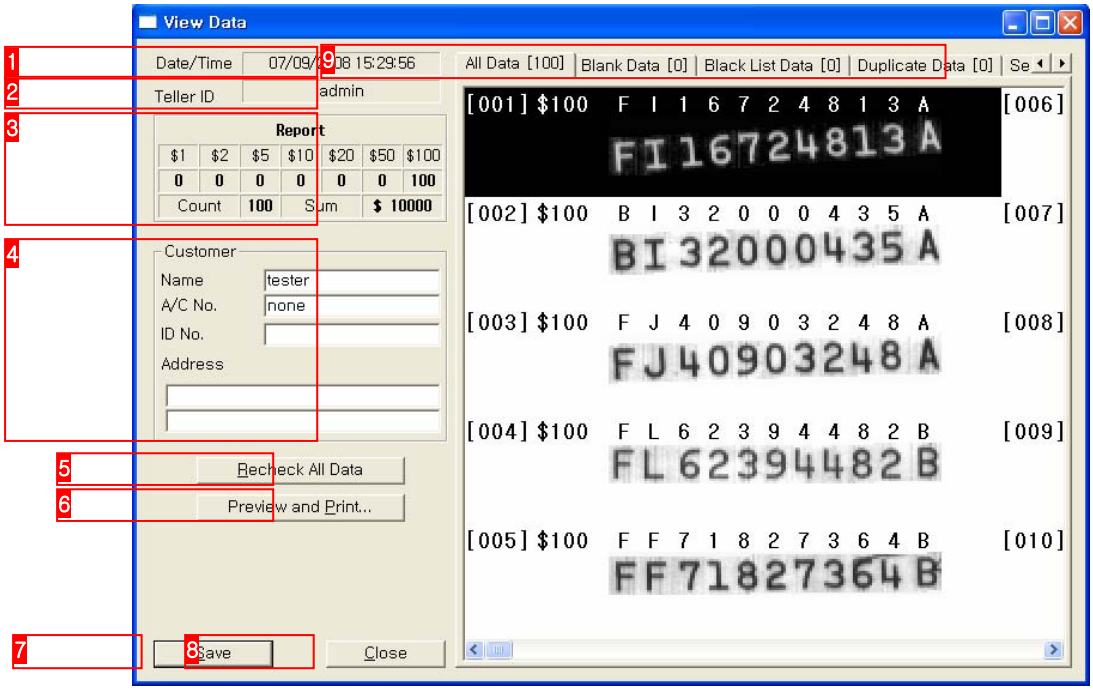
View Data – Description of each section 1/3

You may see detail banknotes information in view data window.

How to see view data window?

- Automatically display when data is transmitting from SB series.
- Select saved data in main screen and edit data.

  ※ To edit data, double click the saved data in the list or press Edit -> Edit Data in the menu bar.



Pic. 13) View Data

① Saved data and time

② Teller's ID

③ Data information

④ Customer's information

※ If 'Input customer Information' is marked in 'Mandatory' in 'Setup Configuration', data will not be saved till customer information is fully entered.

⑤ Checking black list data and duplicate data for all data by pressing "Recheck all data" button.

⑥ Print button by printer.

⑦ Saving data button.

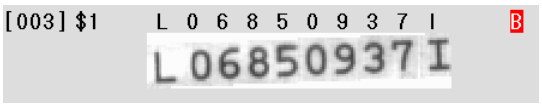
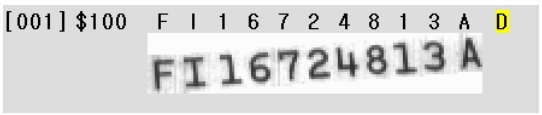
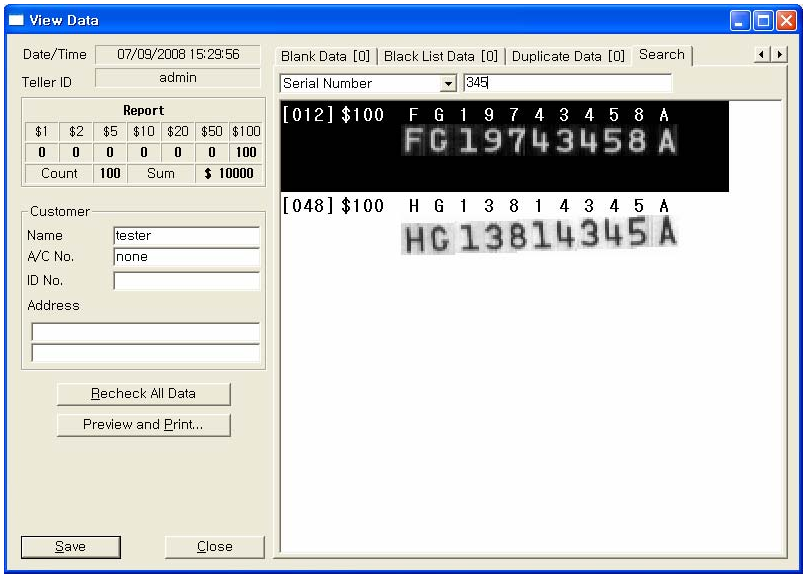
In data edit mode, confirmation message will be displayed for saving.

⑧ Close window without saving data.

⑨ Information of description tab.

View Data – Description of each section 2/3

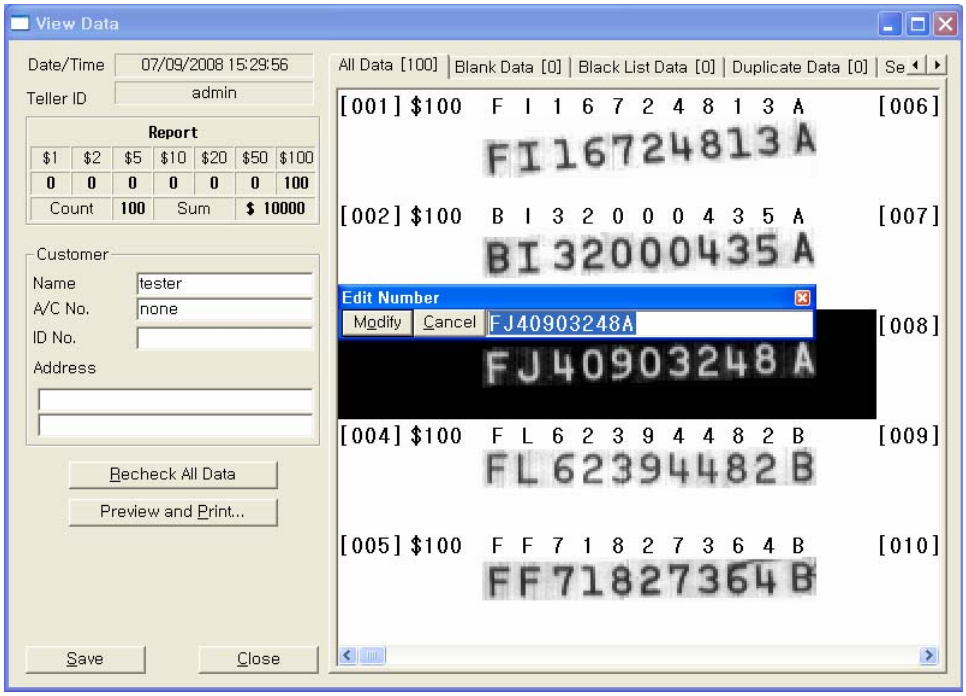
※ Information of description tab.

All Data	Displaying all data.
Blank Data	Displayed uncertain data which fail to display the serial no. ※ If Blank data is transmitted from SB series, this tab and edit screen will be displayed automatically.
Black List Data	Displaying registered banknotes in Black List DB with B red flag in grey color of back-ground 
Duplicate Data	Displaying duplicated data with D yellow flag in grey color of background. 
Search	Searching banknotes by value or serial number. ① Select category for searching. ② Put some numbers of serial no. of banknotes in the blank. Searching will be done in real time whenever user put some numbers.  Pic. 14) Searching in View data

View Data – Edit serial no. of banknotes 3/3

You may edit serial no. in View Data window.

① Double click saved data in the list or press Enter key to edit.


View Data
Date/Time
07/09/2008 15:29:56
Teller ID
admin
Report
$1 $2 $5 $10 $20 $50 $100
0 0 0 0 0 0 100
Count 100 Sum $ 10000
Customer
Name tester
A/C No. none
ID No.
Address
Recheck All Data
Preview and Print...
Save
Close
All Data [100] Blank Data [0] Black List Data [0] Duplicate Data [0]
[001] $100 F I 1 6 7 2 4 8 1 3 A [006]
[002] $100 B I 3 2 0 0 0 4 3 5 A [007]
Edit Number
Modify Cancel FJ40903248A
[008]
[004] $100 F L 6 2 3 9 4 4 8 2 B [009]
[005] $100 F F 7 1 8 2 7 3 6 4 B [010]

Pic. 15) Edit serial no.

② Typing serial no. in edit window and press modify key for saving.

- Saving: press Modify button or press Enter key
- Cancel: press Cancel button or press Esc key

※ Color of Edited serial no. will be changed to dark grey color.

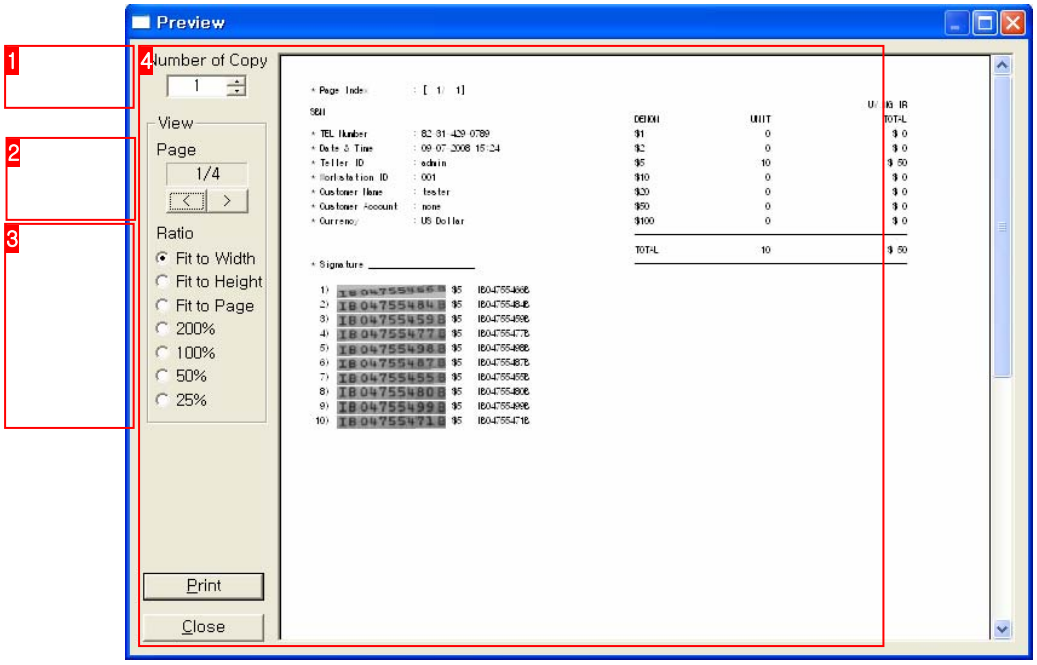
Printing

You may print out data using one of SBM's recommended Printers by following steps.

I. Select data in the list of main screen and press File → Preview and Print... in the menu bar.

II. Press Print button in Preview window.

※ You may print out several data together with No. 1.



Pic. 16) Preview

Description of 'Preview'

① Select number of copy.

② Select pages in preview window.

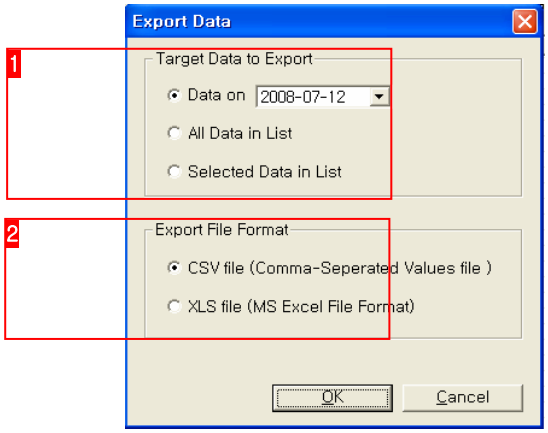
③ Select Ratio of preview window.

④ Display printing page.

Notice Printing property will follow Windows printer set up through Setup → Printer Setup... If you want to have different print format, please change the printer set up in Windows.

Export Data 1/2

You may export data from SDC-100 software to other program or application. Below pop-up window will be displayed after pressing File → Export Data... in menu bar



Pic. 17) Export Data

Description of Export data window

① Target data to Export

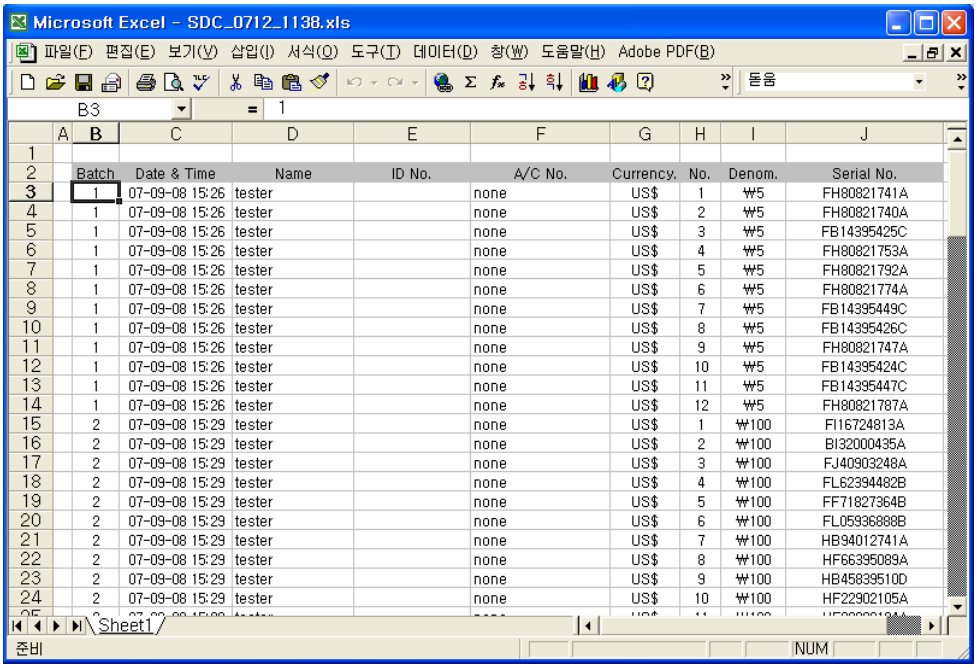
Data on …	Export all data in selected date.
All Data in List	Export all data in the list of main screen
Selected Data in List	Export selected data in the list of main screen

② Export file format

CSV file	Export data after separate the items as a comma(,)
XLS file	Export data as a MS excel format ※ MS excel should be installed in user's computer

Export Data 2/2

After select Target data to Export and Export file format, please press OK button for exporting.



Batch	Date & Time	Name	ID No.	A/C No.	Currency.	No.	Denom.	Serial No.
1	07-09-08 15:26	tester		none	US$	1	₩5	FH80821741A
1	07-09-08 15:26	tester		none	US$	2	₩5	FH80821740A
1	07-09-08 15:26	tester		none	US$	3	₩5	FB14395425C
1	07-09-08 15:26	tester		none	US$	4	₩5	FH80821753A
1	07-09-08 15:26	tester		none	US$	5	₩5	FH80821792A
1	07-09-08 15:26	tester		none	US$	6	₩5	FH80821774A
1	07-09-08 15:26	tester		none	US$	7	₩5	FB14395449C
1	07-09-08 15:26	tester		none	US$	8	₩5	FB14395426C
1	07-09-08 15:26	tester		none	US$	9	₩5	FH80821747A
1	07-09-08 15:26	tester		none	US$	10	₩5	FB14395424C
1	07-09-08 15:26	tester		none	US$	11	₩5	FB14395447C
1	07-09-08 15:26	tester		none	US$	12	₩5	FH80821787A
2	07-09-08 15:29	tester		none	US$	1	₩100	FI16724813A
2	07-09-08 15:29	tester		none	US$	2	₩100	BI32000435A
2	07-09-08 15:29	tester		none	US$	3	₩100	FJ40903248A
2	07-09-08 15:29	tester		none	US$	4	₩100	FL62394482B
2	07-09-08 15:29	tester		none	US$	5	₩100	FF71827364B
2	07-09-08 15:29	tester		none	US$	6	₩100	FL05936888B
2	07-09-08 15:29	tester		none	US$	7	₩100	HB94012741A
2	07-09-08 15:29	tester		none	US$	8	₩100	HF66395089A
2	07-09-08 15:29	tester		none	US$	9	₩100	HB45839510D
2	07-09-08 15:29	tester		none	US$	10	₩100	HF22902105A

Pic. 18) Result screen after exporting

Notice File root and name after exporting data.

Root: Location of exported data is SaveData folder.

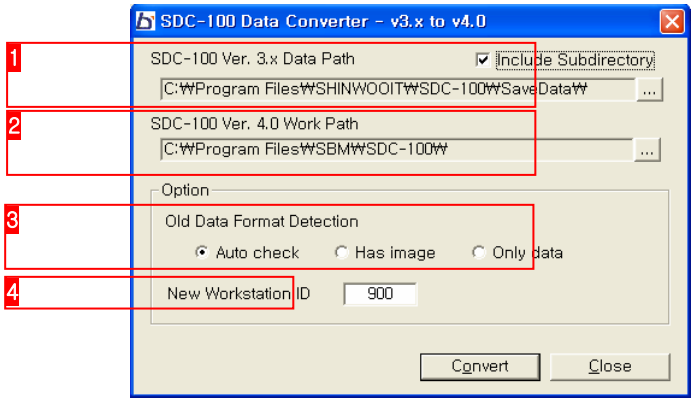
Name: SDC_MMDD_HHMM.xls or SDC_MMDD_HHMM.csv

※ MMDD_HHMM means time when user exports data.

Old version data converting

You may use data from old version of SDC-100 in new version with following steps.

In menu, press File → Convert 3.x Data...



Pic. 19) Data Converter

Description of Data Converter

① Root of old data

② Current root of new SDC-100

Same root of [Setup]->[Configuration...]

③ Data format of old version.

- Auto check : Data will be converted automatically. (recommended)
- Has Image : Analyzed data after supposing that data has image
- Only data : Analyzed data after supposing tat data has not image.

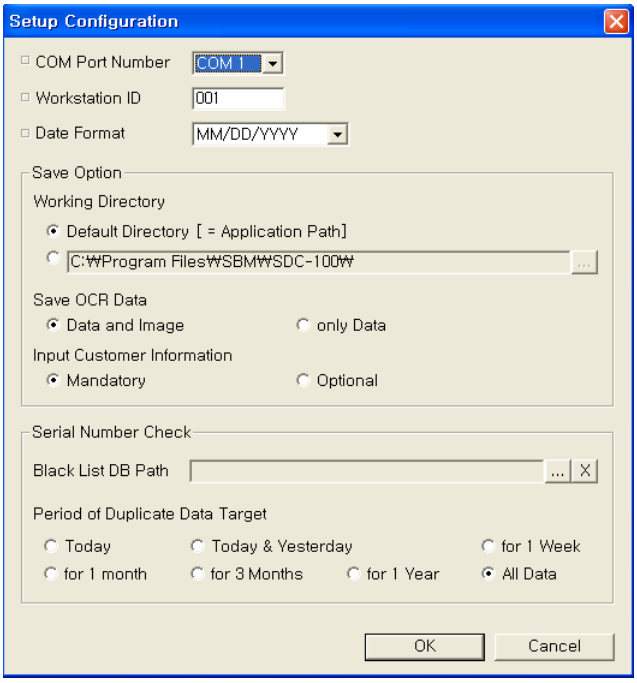
④ New workstation ID after converting.

We recommend that Workstation ID in each machine should be different for saving data.

After set up the roots, please press Convert button to convert the data.

Set Up – Setup Configuration

This page will show you how to set up the program for each user. Please press Setup → Configuration... in the menu bar.



Pic. 20) Setup Configuration.

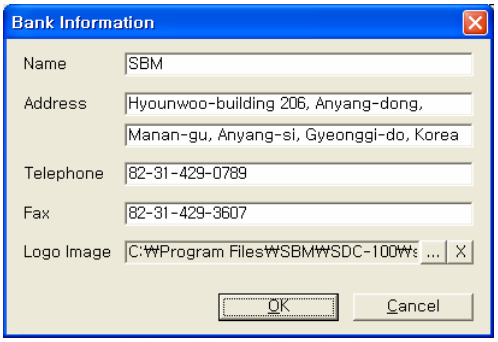
Description

COM Port Number	Set up serial COM port to communicate SB series and PC ※ After setting COM port, software of SDC-100 should be re-booting.
Workstation ID	Identify user's machine, Up to 3 digits, user could grant the workstation ID and different workstation ID for each machine will be highly recommended.
Date Format	1. MM/DD/YYYYY 2. DD/MM/YYYY
Save Option	
Working Directory	1. Default Directory All data will be saved in SaveData folder. 2. Temporary folder. If user designates one specific folder, SaveData folder will be created automatically and data will be saved in this SaveData folder. User could manage several data in one specific folder in

	the network. To access folder in the network, folder has its own access right. Notice If user uses only one machine, please use Default Directory for saving data, otherwise data, which was saved through other computer, will be searched and modified in other computer.
Save OCR Data	1. Data and Image Save OCR and Image data together. 2. only Data Save only OCR data.. ※ We recommend use 1. Data and Image saving if computer has enough capacity.
Input Customer Information	1. Mandatory Data will not be saved if customer name and account number is not entered. 2. Optional Data will be saved even though customer's information in not entered.
Checking Serial No. of Banknotes.	
Black List DB Path	Save 'mdb' file for black list information. Without setting, Black list searching is not available.
Period of Duplicate Data Target	Set up the term of searching for duplicated data.

Set Up – Bank Information

User may enter the bank information in the menu Setup → Bank Information..., Set up bank information will be displayed on main screen and when data is printed.

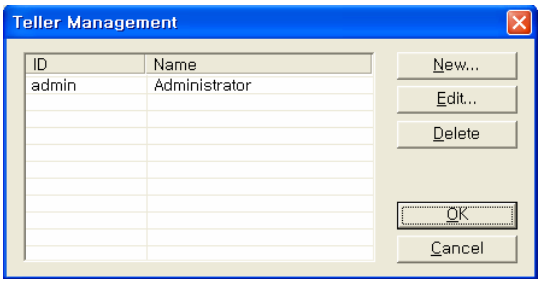


Pic. 21) Bank Information

Name	Bank Name, maximum 36 letters are available.
Address	Bank Address, maximum 40 letters are available in one line
Telephone	Phone No. maximum 30 letters are available.
Fax	Fax No. maximum 30 letters are available.
Logo Image	Logo of bank, JPG and BMP file is available. Notice Main screen size shod be more than 1024*768 sizes to display the bank logo.

Set Up – Teller Management

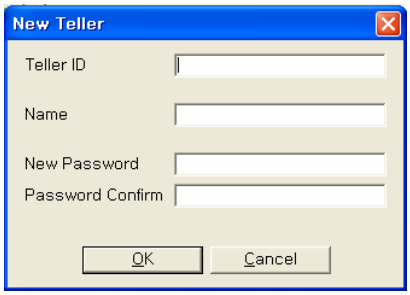
User information could be registered, edited and deleted in the menu Setup → Teller Management...



Pic. 22) Teller Management

New...	Register new user
Edit...	Edit information of selected user
Delete	Delete selected user ※ admin could not be deleted.

When new user is added or deleted, below pop-up window will be displayed and you may register new user or modify the user information in this window.

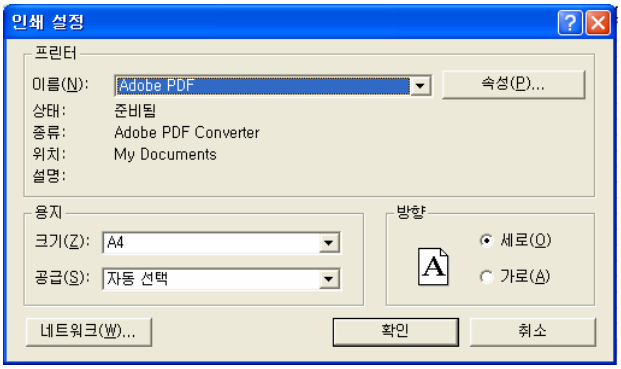


Pic. 23) New Teller

Teller ID	User's ID
Name	User's Name
Password	Password. ※ Previous password will be maintained if new password is not entered when teller information is edited.

Set Up – Printer Set Up

Set up the printer in the menu Setup → Printer Setup...



Pic. 24) Printer Setup

※ Above printer set up will not be saved after close the software of SDC-100.